

Amendments to the Specification

Please replace the title with the following substitute text:

-- ERROR TOLERANT AUTOMATION SYSTEM AND METHOD FOR ERROR
HANDLING IN A REAL-TIME AUTOMATION SYSTEM --

Please insert the following section heading after the title and prior to paragraph [0001]:

-- FIELD OF THE INVENTION --

Please insert the following section heading after paragraph [0001] and prior to paragraph [0002]:

-- BACKGROUND OF THE INVENTION --

Please insert the following section heading after paragraph [0005] and prior to paragraph [0006]:

-- SUMMARY OF THE INVENTION --

Please insert the following section heading after paragraph [0019] and prior to paragraph [0020]:

-- BRIEF DESCRIPTION OF THE DRAWINGS --

Please insert the following section heading after paragraph [0023] and prior to paragraph [0024]:

-- DETAILED DESCRIPTION OF THE INVENTION --

Please replace the Abstract on page 14 with the following replacement Abstract:

Abstract

The invention relates to an automation system, wherein error (~~F~~) reaction is improved. This is achieved by ~~means of~~ providing a method for the treatment of errors in a real time automation system, wherein at least one error reaction function (~~FT1, FT2, FT3~~) is triggered by at least one processing error (~~F~~) and/or access error (~~F~~). ~~Said~~ The improvement is achieved by ~~means of~~

providing a method for the treatment of errors ~~wherein~~ using the error reaction function (~~FT1~~, ~~FT2~~, ~~FT3~~), and by ~~means of~~ providing a method for the treatment of errors in an automation system which has at least two levels of execution (~~A~~), wherein at least one error reaction function (~~FT1~~, ~~FT2~~, ~~FT3~~) is triggered by at least one processing error (~~F~~) and/or one access error (~~F~~) on at least one of the other levels of execution (~~A~~).